## **EAST Search History**

| Ref<br># | Hits | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|---|---------------------|---------|------------------|
| L1       | 3660 | ((control\$4 count\$4 measur\$4) with (wave\$1 near2 number\$1))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 18:01 |
| L2       | 691  | 1 and (excit\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 15:35 |
| L3       | 124  | 1 same (excit\$6)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 16:03 |
| L4       | 5    | 345/173-177.ccls. and 3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 18:12 |
| L5       | 9    | ("20030038789"   "5708461"  <br>"5717434"   "5838088"   "5973438"  <br>"6078315").PN. OR ("6750853").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | ON      | 2007/05/25 15:42 |
| L6       | 9    | ("20030038789"   "5708461"  <br>"5717434"   "5838088"   "5973438"  <br>"6078315").PN. OR ("6750853").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR                  | ON      | 2007/05/25 15:46 |
| L7       | 924  | (wave\$1 near2 number\$1) same<br>(excit\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 17:34 |
| L8       | 142  | 7 and ((acoustic near2 wave\$1) SAW)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 16:04 |
| L9       | 924  | (wave\$1 near2 number\$1) same excit\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 16:35 |
| L10      | 11   | 345/173-177.ccls. and 9  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/05/25 19:17 |

## **EAST Search History**

| L11 | 520 | 345/173-177.ccls. and (wavenumber (wave near3 number\$1) wavelength reciprocal)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 16:40 |
|-----|-----|--|---|----|-----|------------------|
| L12 | 110 | 345/173-177.ccls. and (wavenumber (wave near3 number\$1) reciprocal)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 16:47 |
| L13 | 2   | ("6741237").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25 16:47 |
| L14 | 153 | 345/173-177.ccls. and excit\$6 and oscillat\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 17:34 |
| L15 | 47  | 14 and (wave\$1 with number\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 17:48 |
| L16 | 209 | (burst near2 wave) with (wave\$1 with number\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 17:48 |
| L17 | 15  | 345/173-177.ccls. and 16   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 19:15 |
| L18 | 2   | ("6885491").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25 17:53 |
| L19 | 2   | ("6741237").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25 17:53 |
| L20 | 118 | ((control\$4 count\$4 measur\$4 track\$4 determin\$4) with (wave\$1 near2 number\$1) with (transducer excit\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/25 18:11 |

## **EAST Search History**

| L21 | 87   | 20 and (@ad<="20021101")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 18:03 |
|-----|------|--|---|----|------|------------------|
| L22 | 8385 | ((control\$4 count\$4 measur\$4) with (oscillat\$4) with (transducer excit\$4))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2007/05/25 18:12 |
| L23 | 9184 | ((control\$4 count\$4 measur\$4) with (oscillat\$4) with (transducer excit\$4 stimulat\$4))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:13 |
| L24 | 21   | 345/173-177.ccls. and 23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 18:39 |
| L25 | 2    | ("6630929").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2007/05/25 18:39 |
| L26 | 5    | ((wave with number) with (oscillat\$4) with (transducer excit\$4 stimulat\$4)) same count\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:15 |
| L27 | 85   | ((wave with number) with (oscillat\$4) with (transducer))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:16 |
| L28 | 0    | 345/173-177.ccls. and 27   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:15 |
| L29 | 4836 | (wave near3 number) and (oscillat\$4) and (transducer sen\$4 excit\$4 stimulat\$4)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:17 |
| L30 | 44   | 345/173-177.ccls. and 29   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/05/25 19:17 |